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Client Matter No 9799107-0006

PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re U.S. Patent Application of:  
Shigeru Fuijita et al

COPY OF PAPERS  
ORIGINALLY FILED

Serial No.: 09/856,431

Examiner: Not yet assigned

Filed: July 12, 2001

Group Art Unit: 1745

For: Secondary Battery

**FILING RECEIPT CORRECTION**

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Washington, D.C. 20231

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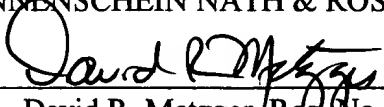
Please correct the filing receipt (copy enclosed) related to the above referenced patent application. The "Title" should be corrected as follows "Secondary Cell" should be -- Secondary Battery-- as evidenced by a copy of the first page of the specification and the declaration as filed.

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Respectfully submitted,

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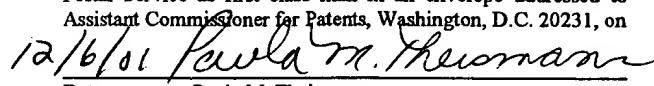
By:

  
David R. Metzger, Reg. No. 32,919

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APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLAIMS	IND CLAIMS
08/856,431	07/12/2001	1745	1134	9799107-0006	6	28	2



02626  
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CONFIRMATION NO. 8311

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\*OC000000006349419\*

Date Mailed: 07/26/2001

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## Applicant(s)

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## Domestic Priority data as claimed by applicant

THIS APPLICATION IS A 371 OF PCT/JP00/06181 09/11/2000

## Foreign Applications

JAPAN 11-266017 09/20/1999

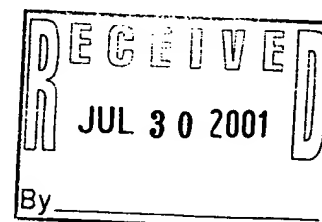
Projected Publication Date: N/A

Non-Publication Request: No

Early Publication Request: No

Title

Secondary



**Preliminary Class**

**429**

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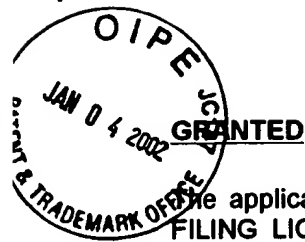
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## DESCRIPTION



## Technical Field

The invention relates to a secondary battery comprising a negative electrode, a positive electrode and an electrolyte, specifically, to a secondary battery in which light metal is used for an electrode reaction.

## Background Art

Recently, in accordance with development in electronic technology, a number of portable electron devices such as VTRs (video tape recorder) with a built-in camera, cellular phones and laptop computers have come into wide use, and miniaturization and weight-reduction of the devices have become the subject. Research and developing aimed at improving energy density of batteries used for portable power sources for the devices, specially secondary batteries, have been actively conducted.

Widely known secondary batteries of the related art are a lead battery, a Ni(nickel)-Cd(cadmium) battery, a lithium ion secondary battery in which a material such as a carbonaceous material capable of occluding/releasing lithium (Li) is used for a negative electrode, and a lithium secondary battery in which lithium metal is used for a negative electrode. A large expectation has been put on a secondary battery using a non-aqueous electrolyte, specifically on a lithium ion secondary battery, since the battery can obtain a higher energy density than the lead battery and the nickel-cadmium battery of the related art using an aqueous electrolyte, and